	Abstract
2	A fuel cell uses porous metal layers attached on a flex substrate for delivery of
3	liquid fuel to the active catalytic areas on the anodic side. The flex substrate may
ļ	form an enclosed package such that the liquid fuel can be contained in the enclosed
5	volume and the air can freely exchange with the cathode side of the fuel cell
5	without the need of microchannels and plumbing for mass transporting both fuel
7	and oxygen to the active catalytic area. The porous metal provides a large surface
3	are for the catalytic reaction to occur.